



Sequence Listing

<110> Ashkenazi, Avi J.
Baker, Kevin
Gurney, Austin
Wood, William

<120> Apo-2DcR

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<140> US 08/878,168

<141> 1997-06-18

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<212> PRT

<213> Homo sapiens

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Ala	Val	Leu	Leu	Pro	Val	Leu	Ala	Tyr	Ser	Ala	Thr	Thr	Ala	Arg
				20					25					30

Gln	Glu	Glu	Val	Pro	Gln	Gln	Thr	Val	Ala	Pro	Gln	Gln	Gln	Arg
				35					40					45

His	Ser	Phe	Lys	Gly	Glu	Glu	Cys	Pro	Ala	Gly	Ser	His	Arg	Ser
				50					55					60

Glu	His	Thr	Gly	Ala	Cys	Asn	Pro	Cys	Thr	Glu	Gly	Val	Asp	Tyr
				65					70					75

Thr	Asn	Ala	Ser	Asn	Asn	Glu	Pro	Ser	Cys	Phe	Pro	Cys	Thr	Val
				80					85					90

Cys	Lys	Ser	Asp	Gln	Lys	His	Lys	Ser	Ser	Cys	Thr	Met	Thr	Arg
				95					100					105

Asp	Thr	Val	Cys	Gln	Cys	Lys	Glu	Gly	Thr	Phe	Arg	Asn	Glu	Asn
				110					115					120

Ser	Pro	Glu	Met	Cys	Arg	Lys	Cys	Ser	Arg	Cys	Pro	Ser	Gly	Glu
				125					130					135

Val	Gln	Val	Ser	Asn	Cys	Thr	Ser	Trp	Asp	Asp	Ile	Gln	Cys	Val
				140					145					150

Glu	Glu	Phe	Gly	Ala	Asn	Ala	Thr	Val	Glu	Thr	Pro	Ala	Ala	Glu
				155					160					165
Glu	Thr	Met	Asn	Thr	Ser	Pro	Gly	Thr	Pro	Ala	Pro	Ala	Ala	Glu
				170					175					180
Glu	Thr	Met	Asn	Thr	Ser	Pro	Gly	Thr	Pro	Ala	Pro	Ala	Ala	Glu
				185					190					195
Glu	Thr	Met	Thr	Thr	Ser	Pro	Gly	Thr	Pro	Ala	Pro	Ala	Ala	Glu
				200					205					210
Glu	Thr	Met	Thr	Thr	Ser	Pro	Gly	Thr	Pro	Ala	Pro	Ala	Ala	Glu
				215					220					225
Glu	Thr	Met	Thr	Thr	Ser	Pro	Gly	Thr	Pro	Ala	Ser	Ser	His	Tyr
				230					235					240
Leu	Ser	Cys	Thr	Ile	Val	Gly	Ile	Ile	Val	Leu	Ile	Val	Leu	Leu
				245					250					255
Ile	Val	Phe	Val											
				259										

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 atttttggga gtttgaccag agatgcaagg ggtgaaggag cgcttcctac 100
 cgttagggaa ctctggggac agagcgcccc ggccgcctga tggccgaggc 150
 aggtgcgac ccaggaccca ggacggcgtc ggaaccata cc atg 195
 Met
 1

gcc cgg atc ccc aag acc cta aag ttc gtc gtc gtc atc 234
 Ala Arg Ile Pro Lys Thr Leu Lys Phe Val Val Val Ile
 5 10

gtc gcg gtc ctg ctg cca gtc cta gct tac tct gcc acc 273

Val Ala Val Leu Leu Pro Val Leu Ala Tyr Ser Ala Thr
 15 20 25

 act gcc cgg cag gag gaa gtt ccc cag cag aca gtg gcc 312
 Thr Ala Arg Gln Glu Glu Val Pro Gln Gln Thr Val Ala
 30 35 40

 cca cag caa cag agg cac agc ttc aag ggg gag gag tgt 351
 Pro Gln Gln Gln Arg His Ser Phe Lys Gly Glu Glu Cys
 45 50

 cca gca gga tct cat aga tca gaa cat act gga gcc tgt 390
 Pro Ala Gly Ser His Arg Ser Glu His Thr Gly Ala Cys
 55 60 65

 aac ccg tgc aca gag ggt gtg gat tac acc aac gct tcc 429
 Asn Pro Cys Thr Glu Gly Val Asp Tyr Thr Asn Ala Ser
 70 75

 aac aat gaa cct tct tgc ttc cca tgt aca gtt tgt aaa 468
 Asn Asn Glu Pro Ser Cys Phe Pro Cys Thr Val Cys Lys
 80 85 90

 tca gat caa aaa cat aaa agt tcc tgc acc atg acc aga 507
 Ser Asp Gln Lys His Lys Ser Ser Cys Thr Met Thr Arg
 95 100 105

 gac aca gtg tgt cag tgt aaa gaa ggc acc ttc cgg aat 546
 Asp Thr Val Cys Gln Cys Lys Glu Gly Thr Phe Arg Asn
 110 115

 gaa aac tcc cca gag atg tgc cgg aag tgt agc agg tgc 585
 Glu Asn Ser Pro Glu Met Cys Arg Lys Cys Ser Arg Cys
 120 125 130

 cct agt ggg gaa gtc caa gtc agt aat tgt acg tcc tgg 624
 Pro Ser Gly Glu Val Gln Val Ser Asn Cys Thr Ser Trp
 135 140

 gat gat atc cag tgt gtt gaa gaa ttt ggt gcc aat gcc 663
 Asp Asp Ile Gln Cys Val Glu Glu Phe Gly Ala Asn Ala
 145 150 155

 act gtg gaa acc cca gct gct gaa gag aca atg aac acc 702
 Thr Val Glu Thr Pro Ala Ala Glu Glu Thr Met Asn Thr
 160 165 170

 agc ccg ggg act cct gcc cca gct gct gaa gag aca atg 741
 Ser Pro Gly Thr Pro Ala Pro Ala Ala Glu Glu Thr Met
 175 180

aac acc agc cca ggg act cct gcc cca gct gct gaa gag 780
 Asn Thr Ser Pro Gly Thr Pro Ala Pro Ala Ala Glu Glu
 185 190 195

aca atg acc acc agc ccg ggg act cct gcc cca gct gct 819
 Thr Met Thr Thr Ser Pro Gly Thr Pro Ala Pro Ala Ala
 200 205

gaa gag aca atg acc acc agc ccg ggg act cct gcc cca 858
 Glu Glu Thr Met Thr Thr Ser Pro Gly Thr Pro Ala Pro
 210 215 220

gct gct gaa gag aca atg acc acc agc ccg ggg act cct 897
 Ala Ala Glu Glu Thr Met Thr Thr Ser Pro Gly Thr Pro
 225 230 235

gcc tct tct cat tac ctc tca tgc acc atc gta ggg atc 936
 Ala Ser Ser His Tyr Leu Ser Cys Thr Ile Val Gly Ile
 240 245

ata gtt cta att gtg ctt ctg att gtg ttt gtt t 970
 Ile Val Leu Ile Val Leu Leu Ile Val Phe Val
 250 255 259

gaaagacttc actgtggaag aaattccttc cttacctgaa aggttcaggt 1020

aggcgctggc tgagggcggg gggcgctgga cactctctgc cctgcctccc 1070

tctgctgtgt tcccacagac agaaacgcct gccctgccc caaaaaaaaa 1120

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aaaaaaaaaa 1180

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<213> Homo sapiens

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Arg Thr Gln Asp Gly Val Gly Asn His Thr Met Ala Arg Ile Pro
 35 40 45

Lys Thr Leu Lys Phe Val Val Val Ile Val Ala Val Leu Leu Pro
 50 55 60

Val	Leu	Ala	Tyr	Ser	Ala	Thr	Thr	Ala	Arg	Gln	Glu	Glu	Val	Pro	
				65					70					75	
Gln	Gln	Thr	Val	Ala	Pro	Gln	Gln	Gln	Arg	His	Ser	Phe	Lys	Gly	
				80					85					90	
Glu	Glu	Cys	Pro	Ala	Gly	Ser	His	Arg	Ser	Glu	His	Thr	Gly	Ala	
				95					100					105	
Cys	Asn	Pro	Cys	Thr	Glu	Gly	Val	Asp	Tyr	Thr	Asn	Ala	Ser	Asn	
				110					115					120	
Asn	Glu	Pro	Ser	Cys	Phe	Pro	Cys	Thr	Val	Cys	Lys	Ser	Asp	Gln	
				125					130					135	
Lys	His	Lys	Ser	Ser	Cys	Thr	Met	Thr	Arg	Asp	Thr	Val	Cys	Gln	
				140					145					150	
Cys	Lys	Glu	Gly	Thr	Phe	Arg	Asn	Glu	Asn	Ser	Pro	Glu	Met	Cys	
				155					160					165	
Arg	Lys	Cys	Ser	Arg	Cys	Pro	Ser	Gly	Glu	Val	Gln	Val	Ser	Asn	
				170					175					180	
Cys	Thr	Ser	Trp	Asp	Asp	Ile	Gln	Cys	Val	Glu	Glu	Phe	Gly	Ala	
				185					190					195	
Asn	Ala	Thr	Val	Glu	Thr	Pro	Ala	Ala	Glu	Glu	Thr	Met	Asn	Thr	
				200					205					210	
Ser	Pro	Gly	Thr	Pro	Ala	Pro	Ala	Ala	Glu	Glu	Thr	Met	Asn	Thr	
				215					220					225	
Ser	Pro	Gly	Thr	Pro	Ala	Pro	Ala	Ala	Glu	Glu	Thr	Met	Thr	Thr	
				230					235					240	
Ser	Pro	Gly	Thr	Pro	Ala	Pro	Ala	Ala	Glu	Glu	Thr	Met	Thr	Thr	
				245					250					255	
Ser	Pro	Gly	Thr	Pro	Ala	Pro	Ala	Ala	Glu	Glu	Thr	Met	Thr	Thr	
				260					265					270	
Ser	Pro	Gly	Thr	Pro	Ala	Ser	Ser	His	Tyr	Leu	Ser	Cys	Thr	Ile	
				275					280					285	
Val	Gly	Ile	Ile	Val	Leu	Ile	Val	Leu	Leu	Ile	Val	Phe	Val		
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RECEIVED

JAN 28 2000

<212> DNA
<213> Homo sapiens

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atTTTTtggga gtttgaccag ag atg caa ggg gtg aag gag 90
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-40 -35

cgc ttc cta ccg tta ggg aac tct ggg gac aga gcg ccc 129
Arg Phe Leu Pro Leu Gly Asn Ser Gly Asp Arg Ala Pro
-30 -25

cgg ccg cct gat ggc cga ggc agg gtg cga ccc agg acc 168
Arg Pro Pro Asp Gly Arg Gly Arg Val Arg Pro Arg Thr
-20 -15 -10

cag gac ggc gtc ggg aac cat acc atg gcc cgg atc ccc 207
Gln Asp Gly Val Gly Asn His Thr Met Ala Arg Ile Pro
-5 1 5

aag acc cta aag ttc gtc gtc gtc atc gtc gcg gtc ctg 246
Lys Thr Leu Lys Phe Val Val Val Ile Val Ala Val Leu
10 15

ctg cca gtc cta gct tac tct gcc acc act gcc cgg cag 285
Leu Pro Val Leu Ala Tyr Ser Ala Thr Thr Ala Arg Gln
20 25 30

gag gaa gtt ccc cag cag aca gtg gcc cca cag caa cag 324
Glu Glu Val Pro Gln Gln Thr Val Ala Pro Gln Gln Gln
35 40

agg cac agc ttc aag ggg gag gag tgt cca gca gga tct 363
Arg His Ser Phe Lys Gly Glu Glu Cys Pro Ala Gly Ser
45 50 55

cat aga tca gaa cat act gga gcc tgt aac ccg tgc aca 402
His Arg Ser Glu His Thr Gly Ala Cys Asn Pro Cys Thr
60 65 70

gag ggt gtg gat tac acc aac gct tcc aac aat gaa cct 441
 Glu Gly Val Asp Tyr Thr Asn Ala Ser Asn Asn Glu Pro
 75 80

tct tgc ttc cca tgt aca gtt tgt aaa tca gat caa aaa 480
 Ser Cys Phe Pro Cys Thr Val Cys Lys Ser Asp Gln Lys
 85 90 95

cat aaa agt tcc tgc acc atg acc aga gac aca gtg tgt 519
 His Lys Ser Ser Cys Thr Met Thr Arg Asp Thr Val Cys
 100 105

cag tgt aaa gaa ggc acc ttc cgg aat gaa aac tcc cca 558
 Gln Cys Lys Glu Gly Thr Phe Arg Asn Glu Asn Ser Pro
 110 115 120

gag atg tgc cgg aag tgt agc agg tgc cct agt ggg gaa 597
 Glu Met Cys Arg Lys Cys Ser Arg Cys Pro Ser Gly Glu
 125 130 135

gtc caa gtc agt aat tgt acg tcc tgg gat gat atc cag 636
 Val Gln Val Ser Asn Cys Thr Ser Trp Asp Asp Ile Gln
 140 145

tgt gtt gaa gaa ttt ggt gcc aat gcc act gtg gaa acc 675
 Cys Val Glu Glu Phe Gly Ala Asn Ala Thr Val Glu Thr
 150 155 160

cca gct gct gaa gag aca atg aac acc agc ccg ggg act 714
 Pro Ala Ala Glu Glu Thr Met Asn Thr Ser Pro Gly Thr
 165 170

cct gcc cca gct gct gaa gag aca atg aac acc agc cca 753
 Pro Ala Pro Ala Ala Glu Glu Thr Met Asn Thr Ser Pro
 175 180 185

ggg act cct gcc cca gct gct gaa gag aca atg acc acc 792
 Gly Thr Pro Ala Pro Ala Ala Glu Glu Thr Met Thr Thr
 190 195 200

agc ccg ggg act cct gcc cca gct gct gaa gag aca atg 831
 Ser Pro Gly Thr Pro Ala Pro Ala Ala Glu Glu Thr Met
 205 210

acc acc agc ccg ggg act cct gcc cca gct gct gaa gag 870
 Thr Thr Ser Pro Gly Thr Pro Ala Pro Ala Ala Glu Glu
 215 220 225

aca atg acc acc agc ccg ggg act cct gcc tct tct cat 909
 Thr Met Thr Thr Ser Pro Gly Thr Pro Ala Ser Ser His

230

235

tac ctc tca tgc acc atc gta ggg atc ata gtt cta att 948
 Tyr Leu Ser Cys Thr Ile Val Gly Ile Ile Val Leu Ile
 240 245 250

gtg ctt ctg att gtg ttt gtt t gaaagacttc actgtggaag 990
 Val Leu Leu Ile Val Phe Val
 255 259

aaattccttc cttacctgaa aggttcaggt aggcgctggc tgagggcggg 1040

gggcgctgga cactctctgc cctgcctccc tctgctgtgt tcccacagac 1090

agaaacgcct gccctgccc caaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1140

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1180

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<210> 6
 <211> 41
 <212> DNA
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 <212> PRT
 <213> Homo sapiens

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 Leu Arg His Cys Leu Ser Cys Ser Lys Cys Arg Lys Glu Met Gly
 20 25 30
 Gln Val Glu Ile Ser Ser Cys Thr Val Asp Arg Asp Thr Val Cys
 35 40 45
 Gly Cys Arg Lys
 49

<210> 8
 <211> 48
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 Cys Asn Pro Cys Thr Glu Gly Val Asp Tyr Thr Asn Ala Ser Asn
 1 5 10 15
 Asn Glu Pro Ser Cys Phe Pro Cys Thr Val Cys Lys Ser Asp Gln
 20 25 30
 Lys His Lys Ser Ser Cys Thr Met Thr Arg Asp Thr Val Cys Gln
 35 40 45
 Cys Lys Glu
 48

<210> 9
 <211> 70
 <212> DNA
 <213> Homo sapiens

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 gctaaagctg aggcagcggg 70

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 <213> Homo sapiens

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<220>
 <221> Unsure
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 gcgcccacaa aatacaccga cgatgcccgga tctactttaa gggctgaaac 100
 ccacgggcct gagagactat aagagcgttc cctaccgcca tggaacaacg 150

gggacagaac gccccggccg cttcgggggc ccggaaaagg cacggcccag 200
 gacccaggga ggcgcgggga gccaggcctg ggctccgggt cccaagacc 250
 cttgtgctcg ttgtcgccgc ggtcctgctg ttgggtctcag ctgagtctgc 300
 tctgatcacc caacaagacc tagctcccca gcagagagcg gcccacaac 350
 aaaagaggtc cagccccctca gagggattgt gtccacctgg acaccatata 400
 tcagaagacg gtagagattg catctcctgc aaatatggac aggactatag 450
 cactcactgg aatgacctcc ttttctgctt gcgctgcacc aggtgtgatt 500
 caggtgaagt ggagctaagt ccctgcacca cgaccagaaa cacagtgtgt 550
 cagtgcgaag aaggcacctt ccgggaagaa gattctcctg agatgtgccg 600
 gaagtgccgc acaggggtgt ccagagggat ggtcaaggtc ggtgattgta 650
 caccctggag tgacatcgaa tgtgtccaca aagaatcagg catcatcata 700
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 gtctttactg tgggaagaaag tccttcctta cctgaaaggc atctgctcag 800
 gtgggtgggt ggaccctgag cgtgtggaca gaagctcaca acgacctggg 850
 gctgaggaca atgtcctcaa tgagatcgtg agtatcttgc agcccacca 900
 ggtccctgag caggaaatgg aagtccagga gccagcagag ccaacagggt 950
 tcaacatgtt gtcccccggt gagtcagagc atctgctgga accggcagaa 1000
 gctgaaaggt ctgagaggag gaggtgctg gttccagcaa atgaagggtga 1050
 tcccactgag actctgagac agtgcttcga tgactttgca gacttgggtgc 1100
 cctttgactc ctgggagccg ctcatgagga agttgggcct catggacaat 1150
 gagataaagg tggctaaagc tgaggcagcg ggccacaggg acaccttgta 1200
 cacgatgctg ataaagtggg tcaacaaaac cgggcgagat gcctctgtcc 1250
 acacctgct ggatgccttg gagacgctgg gagagagact tgccaagcag 1300
 aagattgagg accacttggt gagctctgga aagttcatgt atctagaagg 1350
 taatgcagac tctgccwtgt cctaagtgtg attctcttca ggaagtgaga 1400
 ccttcctggt ttacctttt ttctggaaaa agcccaactg gactccagtc 1450

agtaggaaag tgccacaatt gtcacatgac cggtagtgga agaaactctc 1500
ccatccaaca tcacccagtg gatggaacat cctgtaactt ttcactgcac 1550
ttggcattat ttttataagc tgaatgtgat aataaggaca ctatggaaat 1600
gtctggatca ttccgtttgt gcgtactttg agatttggtt tgggatgtca 1650
ttgttttcac agcacttttt tctcctaagc taaatgcttt atttatttat 1700
ttgggctaca ttgtaagatc catctacaaa aaaaaaaaaa aaaaaaaaaag 1750
ggcgggcgcg actctagagt cgacctgcag aagcttggcc gccatggcc 1799

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<221> Unsure

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<223> Xaa may be leucine or methionine

<400> 11

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Gly	Leu	Arg	Val	Pro	Lys	Thr	Leu	Val	Leu	Val	Val	Ala	Ala	Val	35	40	45	
Leu	Leu	Leu	Val	Ser	Ala	Glu	Ser	Ala	Leu	Ile	Thr	Gln	Gln	Asp	50	55	60	
Leu	Ala	Pro	Gln	Gln	Arg	Ala	Ala	Pro	Gln	Gln	Lys	Arg	Ser	Ser	65	70	75	
Pro	Ser	Glu	Gly	Leu	Cys	Pro	Pro	Gly	His	His	Ile	Ser	Glu	Asp	80	85	90	
Gly	Arg	Asp	Cys	Ile	Ser	Cys	Lys	Tyr	Gly	Gln	Asp	Tyr	Ser	Thr	95	100	105	
His	Trp	Asn	Asp	Leu	Leu	Phe	Cys	Leu	Arg	Cys	Thr	Arg	Cys	Asp	110	115	120	
Ser	Gly	Glu	Val	Glu	Leu	Ser	Pro	Cys	Thr	Thr	Thr	Arg	Asn	Thr				

	125		130		135
Val Cys Gln Cys Glu Glu Gly Thr Phe Arg Glu Glu Asp Ser Pro					
	140		145		150
Glu Met Cys Arg Lys Cys Arg Thr Gly Cys Pro Arg Gly Met Val					
	155		160		165
Lys Val Gly Asp Cys Thr Pro Trp Ser Asp Ile Glu Cys Val His					
	170		175		180
Lys Glu Ser Gly Ile Ile Ile Gly Val Thr Val Ala Ala Val Val					
	185		190		195
Leu Ile Val Ala Val Phe Val Cys Lys Ser Leu Leu Trp Lys Lys					
	200		205		210
Val Leu Pro Tyr Leu Lys Gly Ile Cys Ser Gly Gly Gly Gly Asp					
	215		220		225
Pro Glu Arg Val Asp Arg Ser Ser Gln Arg Pro Gly Ala Glu Asp					
	230		235		240
Asn Val Leu Asn Glu Ile Val Ser Ile Leu Gln Pro Thr Gln Val					
	245		250		255
Pro Glu Gln Glu Met Glu Val Gln Glu Pro Ala Glu Pro Thr Gly					
	260		265		270
Val Asn Met Leu Ser Pro Gly Glu Ser Glu His Leu Leu Glu Pro					
	275		280		285
Ala Glu Ala Glu Arg Ser Gln Arg Arg Arg Leu Leu Val Pro Ala					
	290		295		300
Asn Glu Gly Asp Pro Thr Glu Thr Leu Arg Gln Cys Phe Asp Asp					
	305		310		315
Phe Ala Asp Leu Val Pro Phe Asp Ser Trp Glu Pro Leu Met Arg					
	320		325		330
Lys Leu Gly Leu Met Asp Asn Glu Ile Lys Val Ala Lys Ala Glu					
	335		340		345
Ala Ala Gly His Arg Asp Thr Leu Tyr Thr Met Leu Ile Lys Trp					
	350		355		360
Val Asn Lys Thr Gly Arg Asp Ala Ser Val His Thr Leu Leu Asp					
	365		370		375
Ala Leu Glu Thr Leu Gly Glu Arg Leu Ala Lys Gln Lys Ile Glu					

380	385	390
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395	400	405
Ala Asp Ser Ala Xaa Ser		
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Ala Arg Ala Arg Ala Gly Arg Ala Pro Gly Pro Pro Pro Ala Arg		
	20	25 30
Glu Ala Ser Pro Arg Leu Arg Val His Lys Thr Phe Lys Phe Val		
	35	40 45
Val Val Gly Val Leu Leu Gln Val Val Pro Ser Ser Ala Ala Thr		
	50	55 60
Ile Lys Leu His Asp Gln Ser Ile Gly Thr Gln Gln Trp Glu His		
	65	70 75
Ser Pro Leu Gly Glu Leu Cys Pro Pro Gly Ser His Arg Ser Glu		
	80	85 90
Arg Pro Gly Ala Cys Asn Arg Cys Thr Glu Gly Val Gly Tyr Thr		
	95	100 105

Asn	Ala	Ser	Asn	Asn	Leu	Phe	Ala	Cys	Leu	Pro	Cys	Thr	Ala	Cys	
				110					115					120	
Lys	Ser	Asp	Glu	Glu	Glu	Arg	Ser	Pro	Cys	Thr	Thr	Thr	Arg	Asn	
				125					130					135	
Thr	Ala	Cys	Gln	Cys	Lys	Pro	Gly	Thr	Phe	Arg	Asn	Asp	Asn	Ser	
				140					145					150	
Ala	Glu	Met	Cys	Arg	Lys	Cys	Ser	Thr	Gly	Cys	Pro	Arg	Gly	Met	
				155					160					165	
Val	Lys	Val	Lys	Asp	Cys	Thr	Pro	Trp	Ser	Asp	Ile	Glu	Cys	Val	
				170					175					180	
His	Lys	Glu	Ser	Gly	Asn	Gly	His	Asn	Ile	Trp	Val	Ile	Leu	Val	
				185					190					195	
Val	Thr	Leu	Val	Val	Pro	Leu	Leu	Leu	Val	Ala	Val	Leu	Ile	Val	
				200					205					210	
Cys	Cys	Cys	Ile	Gly	Ser	Gly	Cys	Gly	Gly	Asp	Pro	Lys	Cys	Met	
				215					220					225	
Asp	Arg	Val	Cys	Phe	Trp	Arg	Leu	Gly	Leu	Leu	Arg	Gly	Pro	Gly	
				230					235					240	
Ala	Glu	Asp	Asn	Ala	His	Asn	Glu	Ile	Leu	Ser	Asn	Ala	Asp	Ser	
				245					250					255	
Leu	Ser	Thr	Phe	Val	Ser	Glu	Gln	Gln	Met	Glu	Ser	Gln	Glu	Pro	
				260					265					270	
Ala	Asp	Leu	Thr	Gly	Val	Thr	Val	Gln	Ser	Pro	Gly	Glu	Ala	Gln	
				275					280					285	
Cys	Leu	Leu	Gly	Pro	Ala	Glu	Ala	Glu	Gly	Ser	Gln	Arg	Arg	Arg	
				290					295					300	
Leu	Leu	Val	Pro	Ala	Asn	Gly	Ala	Asp	Pro	Thr	Glu	Thr	Leu	Met	
				305					310					315	
Leu	Phe	Phe	Asp	Lys	Phe	Ala	Asn	Ile	Val	Pro	Phe	Asp	Ser	Trp	
				320					325					330	
Asp	Gln	Leu	Met	Arg	Gln	Leu	Asp	Leu	Thr	Lys	Asn	Glu	Ile	Asp	
				335					340					345	
Val	Val	Arg	Ala	Gly	Thr	Ala	Gly	Pro	Gly	Asp	Ala	Leu	Tyr	Ala	
				350					355					360	

Met Leu Met Lys Trp Val Asn Lys Thr Gly Arg Asn Ala Ser Ile
 365 370 375

His Thr Leu Leu Asp Ala Leu Glu Arg Met Glu Glu Arg His Ala
 380 385 390

Lys Glu Lys Ile Gln Asp Leu Leu Val Asp Ser Gly Lys Phe Ile
 395 400 405

Tyr Leu Glu Asp Gly Thr Gly Ser Ala Val Ser Leu Glu
 410 415 418

<210> 15

<211> 74

<212> PRT

<213> Homo sapiens

<400> 15

Val Met Asp Ala Val Pro Ala Arg Arg Trp Lys Glu Phe Val Arg
 1 5 10 15

Thr Leu Gly Leu Arg Glu Ala Glu Ile Glu Ala Val Glu Val Glu
 20 25 30

Ile Gly Arg Phe Arg Asp Gln Gln Tyr Glu Met Leu Lys Arg Trp
 35 40 45

Arg Gln Gln Gln Pro Ala Gly Leu Gly Ala Val Tyr Ala Ala Leu
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Glu Arg Met Gly Leu Asp Gly Cys Val Glu Asp Leu Arg Ser
 65 70 74

<210> 16

<211> 78

<212> PRT

<213> Homo sapiens

<400> 16

Val Val Glu Asn Val Pro Pro Leu Arg Trp Lys Glu Phe Val Arg
 1 5 10 15

Arg Leu Gly Leu Ser Asp His Glu Ile Asp Arg Leu Glu Leu Gln
 20 25 30

Asn Gly Arg Cys Leu Arg Glu Ala Gln Tyr Ser Met Leu Ala Thr
 35 40 45

Trp Arg Arg Arg Thr Pro Arg Arg Glu Ala Thr Leu Glu Leu Leu
 50 55 60

Gly Arg Val Leu Arg Asp Met Asp Leu Leu Gly Cys Leu Glu Asp
65 70 75

Ile Glu Glu
78

<210> 17
<211> 77
<212> PRT
<213> Homo sapiens

<400> 17
Ile Ala Gly Val His Thr Leu Ser Gln Val Lys Gly Phe Val Arg
1 5 10 15

Lys Asn Gly Val Asn Glu Ala Lys Ile Asp Glu Ile Lys Asn Asp
20 25 30

Asn Val Gln Asp Thr Ala Glu Gln Lys Val Gln Leu Leu Arg Asn
35 40 45

Trp His Gln Leu His Gly Lys Lys Glu Ala Tyr Asp Thr Leu Ile
50 55 60

Lys Asp Leu Lys Lys Ala Asn Leu Cys Thr Leu Ala Glu Lys Ile
65 70 75

Gln Thr
77